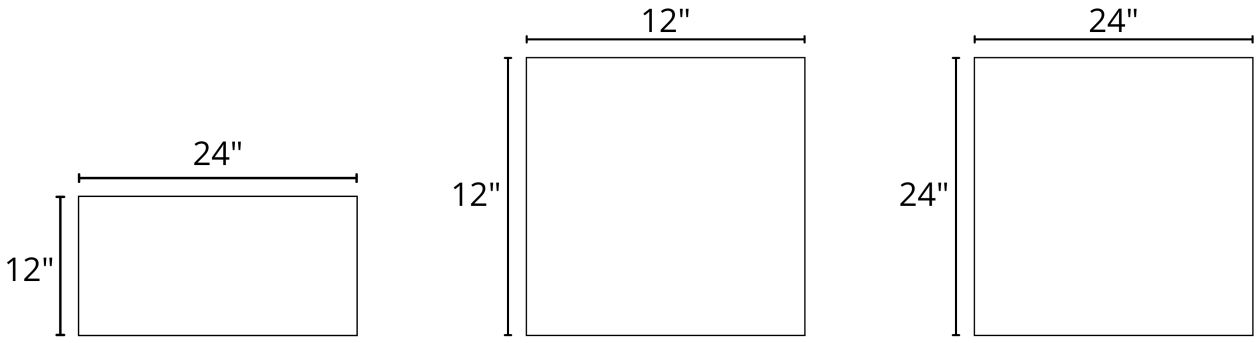
forage terrazzo



split field tile | grand stout | petit slab

standard thickness for 12"x24" and 24"x24" is ⅝" and for 12"x12" is ½".
please note all dimensions are nominal. additionally, dimensions can vary +/- ⅛".

USAGE		walls		floors						traffic rating			
	grout joint	interior	exterior	interior	exterior	entryway	mudroom	bathroom	kitchen	light res.	heavy res.	light comm.	heavy comm.
	1/16"	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y

USAGE	shower		steam shower						resistant		fireplace		
	floors	walls	floors	walls	fountain	pool	waterline	freeze thaw	UV	heat	surround + hearth	backsplash	radiant heating
	Y*	Y	Y*	Y	N	N	N	N	Y	Y	Y*	Y*	Y

* there are specific installation requirements for this usage.
please review the "installation areas" and "sealant" sections below, and discuss with your installer.

forage terrazzo

you've got something special. crafted in america, our honed terrazzo tile is made from tumbled stone in a cement base. these materials lend our forage collection natural, neutral shades that offer the quiet versatility of solid-color tile with the visual interest of a pattern. perfectly at home in a mid-century setting, surrounded by wood paneling and an earthy palette, it also complements the classic glamor of marble and plaster or the clean serenity of ultramodern design.

expect variation. forage terrazzo is composed of natural stone aggregate set in a cement base which will exhibit degrees of variation in color and shade, therefore there will be variation in color and shade across batches. this means that your sample may not be a perfect match with your actual order, and that your add-on order may not be a perfect match to either. **this is the beauty of artisanal tile!**

INSPECTING YOUR SHIPMENT

- **WHAT TO EXPECT** - the forage terrazzo collection exhibits a honed surface with slight beveled edges and color variation derived from natural aggregate set in a cement base. ALSO- dust and shipping residue are to be expected and should be cleaned prior to installing.
- forage terrazzo pieces come packed face to face and back-to-back with an application of wax strips applied to one face of each of the face-to-face tiles. the wax strips can easily be removed with a plastic putty knife or similar.
- **BLEND BLEND BLEND** - due to the natural materials and production process of forage terrazzo tiles, there will be degrees of variation in color, shade, and size in your order, therefore it is important to blend the tiles from all boxes once they arrive and place them in their installation area to ensure you have the layout you want before installing.
- **ORDER EXTRA!** - industry standard suggests adding at least 15% overage due to tile cuts, potential shipping breakage, or future repairs. forage terrazzo tiles are made up of natural stone aggregate set in a cement base which will exhibit degrees of variation in color and shade. if these features do not fit your project's needs, we recommend ordering 20-30% overage. this will allow your contractor to cherry-pick the tiles most desirable for your project.
- **SHIPMENTS ARE SUBJECT TO WEATHER** – tiles may be exposed to moisture and/or condensation during production or shipping which may affect the color of the tiles once received. setting the tiles out to dry prior to installation will return the color to normal. do not install tiles until fully dried.

INSTALLATION FYIs

- **GENERAL GUIDELINES, NOT INSTRUCTIONS** - clé offers general information about our tiles and their unique qualities and usages. proper installation will only be attained if you select a seasoned installer with years of experience with artisan tiles. an installer inexperienced with artisan tile will not know how to install clé tiles and will likely result in failed installations.

- **INSTALLATION DEEMS ACCEPTANCE OF YOUR ORDER** - if you are not 100% sure of your tiles- DO NOT INSTALL THEM. as is standard in the tile industry and with all construction materials, installation deems acceptance of materials. do not install if there are visible issues. if you have any doubts or are unsure of what qualifies as a visible issue for the tile you are installing, please reach out to us PRIOR to installation. our tiles are subject to variations in color, texture, size, and finish. misuse by contractor or end-user including but not limited to negligence, physical and/or chemical abuse, as well as order shortages are not a clé responsibility and therefore, not covered by clé's warranty.

- **TILE IS A MATERIAL. INSTALLATION ERRORS ARE NOT THE FAULT OF THE MATERIAL** – clé tile is a material. tile is merely the surface of your construction. installation problems will arise from inexperienced artisan tile installers, substrate, or construction engineering and/or installation issues. please refer to your project architect, structural engineer and/or installer for best results.

- **PLEASE CONFIRM YOUR INSTALLER'S LEVEL OF ARTISAN TILE EXPERIENCE** - your installation will only be as good as your installer. visit our blog for tips on [how to choose an installer](https://www.cletile.com/blogs/cle-notes/how-to-choose-contractor-installer) (https://www.cletile.com/blogs/cle-notes/how-to-choose-contractor-installer).

- **REQUIRE YOUR INSTALLER PERFORM A "DRY RUN" BEFORE BEGINNING YOUR INSTALLATION** – before installing, make sure to lay out and blend tiles from ALL BOXES so that variations in color, and tiles that bear chips and pits are placed as you would like. clé selects our tiles for their hand-hewn qualities and inherent surface and color variations, which include pits, cracks, and chipping. best placement of these nuances within your installation must be guided by you and/or your design professional to realize the best possible blend of your shipment of our limited-availability tiles. your installation is only as good as your DRY RUN.

- **DO NOT USE TAPE, BLUE TAPE, OR OTHER TAPE** - do not use blue tape or other construction tape during product installation. the tape may erode or damage our products.

- **WAIT UNTIL YOUR PROJECT IS COMPLETE BEFORE INSTALLING YOUR TILES** - install the tiles as late as possible in the project to minimize the risk of damaging the tile.

- **REQUIRE MOCK-UP BOARDS** – to ensure your tiles will be organized properly and your grout joint size and color, as well as your sealant, are done to your design professional's specifications- we urge you to require your installer create mock-up boards prior to your installation. a STANDARD PRACTICE for seasoned installers, it enables the end-user and their design professional to test tile layouts in mock-up form, and allows the mock-up boards to be examined in the space and lighting in which the tiles will be used. before beginning the mock-up boards- make sure to FIRST do your above-recommended DRY RUN and lay out and blend your tiles as described in that section.

- **"FINAL FINISH" – WHAT IT IS AND WHY MAY YOUR PROJECT REQUIRES THIS?** - if you plan install your tile prior to installing cabinets, fixtures, etc., you'll need to refinish the tile after those other features are installed in a step we call the "final finish." in this step, your contractor should replace any broken or chipped tiles caused by construction damage, scuffing, or any deterioration of the tile surface. they should also hire a professional refinisher for the final refinishing of your tile installation. (*NOTE – another benefit is that shipping refinishing can lessen common shipping imperfections.). make sure to account for this final step in your project timeline and budget.

TCNA and ANSI - Please refer to the current edition of the TCNA Handbook for best installation results.

INSTALLATION AREAS

- **walls**
  - suitable for interior wall installations
- **floors**
  - can be used on interior floors, including areas of industrial traffic
  - radiant heating compatible.
- **showers**
  - suitable for shower and steam shower walls with application of a waterproofing, penetrating sealant.
  - can be used on shower and steam shower floors.
  - to increase slip resistance, larger tiles can be scored to create grooves on the surface of the tile. additionally, using a thicker grout line, or cutting tiles into smaller 4” x 4” tiles, can also provide protection as more grout lines help provide better drainage.
- **pools, fountains & waterlines**
  - not suitable for pools, fountains, or their water lines
- **freeze/thaw rating**
  - not freeze/thaw rated
- **fireplace surround and hearth**
  - can be used on fireplace surrounds and hearths
  - not heat resistant and should be kept out of direct heat.
- **uv resistance**
  - forazge terrazzo tiles are uv resistant
- **backsplashes**
  - suitable for stove backsplashes. please consult with your installer to see if a range splash is required for your installation
  - suitable for sink backsplashes with the application of a penetrating, water-repellent sealer.

.

GROUT

- clé recommends a 1/16" grout joint with this collection.
- clé recommends using mortar and unsanded cementitious grout that comply with the ANSI A118 and/or ISO 13007 classifications suitable for your project. please consult with your installation professional to make these determinations.
- grout color selection is up to our client and/or their design professional. however, clé is often asked for our opinion on best grout selections for our tiles. due to the large array of grout colors now available, clé offers this general guideline on a grout color selection for any of your clé tiles.
    - first, have your contractor complete your tile installation, except for the grout portion.
    - next, ask your contractor to bring all grout color charts from his preferred grout manufacturer for your review.
    - lastly, choose a time of day when you are most pleased with the lighting in your space (either natural lighting, installed lighting or a blend of both). during that lighting and time of day, select the grout color that best matches your tile selection.
- if you are working with highly color-variegated tiles or a combination of tiles, we recommend that you follow the above recommendations—but match your grout to the color in your installation that you would like to accentuate.
- we do not generally recommend using contrasting grout with terrazzo, as it highlights the thin hairline cracks/crazing found on the tiles, and fills in any pits/chips. if you choose a contrasting grout (i.e. white grout with black tile) please order 20-30% overage to cherry-pick the tile with imperfections that are standard to terrazzo.
- if your contractor has issues or questions regarding this grout, please reach out to the grout manufacturer directly, as they are the best and fastest line of contact.

SEALANT

- forage terrazzo tiles are applied with an initial protectant—3m scotchgard stone floor protector, a high performance floor surface hardener and protective clear coat for porous stone surfaces. it is highly resistant to scuffs, black marks, stains, scratches and soil.
- the initial 3m protectant is water resistant but not waterproof, therefore we recommend application of a penetrating sealer to further protect the tile and grout lines in wet areas.
- for wet area applications, clé recommends the use of laticrete's bulletproof sealer for a natural sealant finish. grout lines and the tile surface must be sealed as the final step of installation.
- for dry applications including floors, we recommend sealing grout lines with laticrete's bulletproof sealer as the final step of installation. sealing will further protect the grout lines against staining.
- always test sealers in a small area to ensure it provides the finish you prefer.

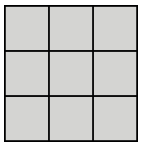
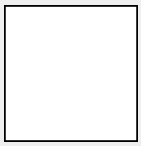
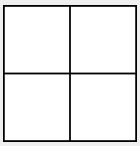
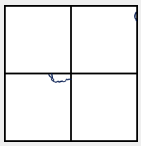
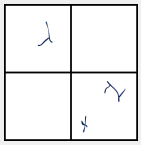
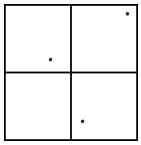
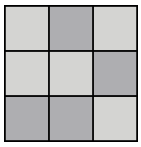
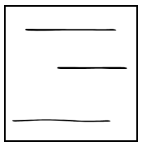
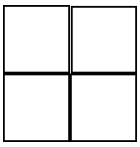
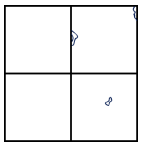
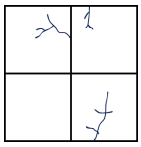
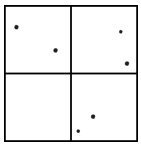
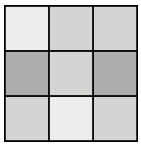
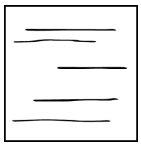
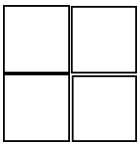
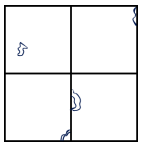
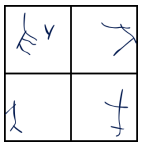
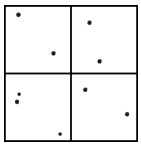
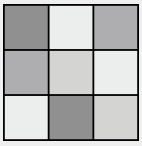
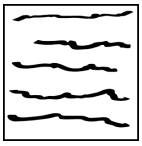
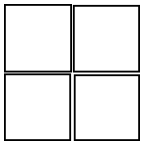
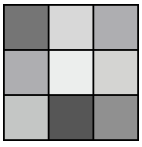
MAINTENANCE & CLEANING

- over time, a natural patina will occur on floors as they are maintained and naturally wear.
- no stripping is required to repair or recoat floors with 3m scotchgard stone floor protector.
- to maintain gloss on flooring, a scotch-brite purple diamond floor pad plus can be used periodically to burnish the floors. no additional scotchgard stone floor protector need be applied to restore gloss.
- when high traffic areas are no longer responding to burnishing to restore gloss, the re-application of scotchgard stone floor protector is warranted.
- if scratches occur on the surface, the surface can be repaired by burnishing with scotch-brite purple diamond floor pad plus and then a 3m tan burnish pad 3400.
- always avoid harsh chemicals and acidic or alkaline cleaning products.
- do not use spray buff products or chemical dust mop treatments.
- clean up spills immediately and use a damp mop to mop lightly soiled floors with a neutral cleaner like 3m neutral cleaner.
- dust mop, vacuum or sweep regularly to remove sand, dust and other contaminants off the surface. abrasive dirt and materials can scratch the surface.
- non-slip mats or area rugs should be placed inside and outside entrance ways to remove abrasive materials that can scratch and dirty the tile surface. sand, dirt, and grit do the most damage to stone surfaces due to their abrasiveness.
- to ensure proper slip resistance, flooring should be cleaned regularly to keep dust, sand, oils and other contaminants off the surface.
- for more aggressive cleaning use a mechanical buffer or auto scrubber along with a 3mtm red buffer pad 5100 and neutral cleaner per the manufacturer’s recommendations.
- for cleaning combined with light polishing, the scotch-brite purple diamond pad plus may be used on an auto scrubber.
- showers and baths: soap scum can be minimized by using a squeegee after each use and using liquid as opposed to bar soaps.
- interior wall installations can be cleaned with warm water and damp microfiber cloth.
- grout lines can be cleaned with warm water and a nonmetal bristled cleaning brush.

additional specifications

VARIATION & IMPERFECTIONS

the following is a guide for the different degrees of variation that we have assigned our tiles:

COLOR VARIATION	TEXTURE VARIATION	SIZE VARIATION	PITS / CHIPS	CRACKS / CRAZING	IRON SPOTS
HEAVY	**SMOOTH**	**SLIGHT**	**WILL OCCUR**	**WILL OCCUR**	**N/A**
 low	 smooth	 slight	 will occur	 will occur	 will occur
 slight	 slight	 medium	 prevalent	 prevalent	 prevalent
 medium	 medium	 heavy	 heavy	 heavy	 heavy
 heavy	 heavy	 extreme	n/a	n/a	n/a
 extreme	n/a	n/a	n/a	n/a	n/a

FLOOR RATING

forage terrazzo is rated v (can be used for light residential to industrial foot traffic). to help maximize your floor's beauty and longevity, aside from not exposing tiles to traffic beyond its capacity, floors should be kept clean of abrasive debris and stains should be cleaned as quickly as possible.

I **light residential**

for residential areas with light foot traffic. for example: bathroom, bedroom, formal dining and living
please note the following:
not suitable for shoes with hard sole profiles (cleats, stilettos, etc.)

II **heavy residential**

for residential areas with continuous foot traffic. for example: entry, hallway, kitchen, foyer, laundry, and mud rooms.

III **light commercial**

for commercial areas with light foot traffic. for example: commercial offices, doctor's offices, and boutiques

IV **heavy commercial**

for commercial areas with continuous foot traffic. for example: hotel lobby, retail, corridors in an office building, shopping malls and restaurants.

V **industrial**

standard industrial floor use with no extreme, heavy breakage or spillage. for example: restaurant kitchens, bar work areas, winery production, exterior hotel entry, airport, car showroom, driveway.

PRODUCT DESCRIPTION

hydraulic pressed cement terrazzo tiles which are honed and slightly beveled on each side.

forage terrazzo tiles are applied with an initial protectant—3m scotchgard stone floor protector, a high performance floor surface hardener and protective clear coat for porous stone surfaces.

PRODUCT COMPONENTS

portland cement, concrete sand, various natural aggregates and mineral pigments for color
(organic and inorganic oxides).

DIMENSIONS

SHAPE	DIMENSIONS	WEIGHT
GRAND STOUT	30.5 cm x 30.5 cm x 1.3 cm (12" x 12" x ½")	3.04 kg per tile (6.7 lbs)
PETIT SLAB	61 cm x 61 cm x 1.6 cm (24" x 24" x ⅝")	14.5 kg per tile (32 lbs)
SPLIT FIELD TILE	30.5 cm x 61 cm x 1.6 cm (12" x 24" x ⅝")	7.26 kg per tile (16 lbs)

* please note all dimensions are nominal. additionally, dimensions between tiles can vary +/- ⅛”.

AVERAGE COEFFICIENT OF FRICTION (DCOF ACUTEST)

Wet DCOF
0.46 (wet, interior floors)

* forage terrazzo tiles are applied with an initial protectant—3m scotchgard stone floor protector, which is certified by the national floor safety institute (NFSI) for high traction.

*DCOF is only one factor and should be considered together with levelness of surface to be tiled, type of use, expected traffic, contaminants, maintenance, and wear when choosing a tile for your project

per ANSI A326.3 standards:

- interior floors meant to be walked on *when dry* should have a *dry* DCOF of at least 0.42,
- interior floors intended to be walked on *when wet* should have a *wet* DCOF of at least 0.42,
- exterior floors intended to be walked on *when wet* should have a *wet* DCOF of at least 0.55

FREEZE/THAW RESISTANCE (ASTM C1026)

forage terrazzo tiles are not freeze/thaw resistant.

WATER ABSORPTION (ASTM C373)

<5%; semi-vitreous.

ACID RESISTANCE

forage terrazzo is not resistant to acids and only mild, pH neutral cleaners should be used.

the product is an inherently non-emitting source of VOCs (stone, ceramic, metals, powder-coated metals, plated or anodized metal, glass, cement, clay brick, and unfinished or untreated solid wood) and has no integral organic -based surface coatings, binders, or sealants.

forage terrazzo tiles are considered ‘inherently non-emitting sources’ under the low-emitting materials credit of LEEDv4/v4.1. **this is currently the only credit for forage terrazzo that is eligible to be used toward LEED.**

‘inherently non-emitting’ means that these tile types have been shown to not contribute emissions to indoor environments and are therefore exempt from demonstrating compliance with CDPH v1.1-2010 or CDPH v1.2-2017.

use of these tiles as wall or flooring materials should be entered in the LEED v4.1 low-emitting materials calculator and identified as ‘inherently non-emitting’ in the products tab (column l).

disclosures for mr credit material ingredient disclosures under LEEDv4/v4.1, are not available at this time. we are exploring our disclosure options and have not established a timeline for completion.

disclosures for mr credit environmental product declarations under LEEDv4/4.1, are not available at this time. we are exploring our disclosure options and have not established a timeline for completion.

contribution to mr credit material sourcing under LEEDv4/v4.1, does not apply as there is no recycled content, no bio-based materials, no wood, no reused products included in our tile at this time. extended producer responsibility programs are highly difficult to manage given the nature of end-of-use tile removal methods. *tile can last hundreds of years but fashions often change, which is the dominant reason for its removal. we work hard to ensure our terrazzo tiles can withstand the test of time while remaining timeless.*

RECYCLED CONTENT

there is no recycled content in forage terrazzo at this time. see material sourcing disclosure above.

PERCENTAGE OF PRE-CONSUMER AND/OR POST-CONSUMER MATERIALS

there is no pre-consumer or post-consumer material content in forage terrazzo at this time. see material sourcing disclosure above.

FIRE RATING

we currently do not have fire testing results for our forage terrazzo tiles and are exploring our testing options.